

Appendix 1. Detailed Data Tables and Technical Notes

Section 1. Detailed Data Tables

Chapter 1 What is the Socio-demographic Profile of Massachusetts?

| Table A.1 Total Population by Health Service Region (HSR): MA 2000 Census Data | | |
|---|--------------------|-------------|
| <i>Health Service Region:</i> | MA (Number) | MA % |
| Western HSR | 822,838 | 13% |
| Central HSR | 806,015 | 13% |
| Northeast HSR | 1,255,346 | 20% |
| Metrowest HSR | 1,479,930 | 23% |
| Southeast HSR | 1,238,054 | 20% |
| Boston HSR | 746,914 | 12% |
| MA Total | 6,349,097 | |
| Data Source: U.S. Census Bureau, Census 2000 PL 94-171 redistricting file | | |

Chapter 2 – Who is currently living with HIV/AIDS?

| Table A.2 People Living with HIV/AIDS by Race/Ethnicity and Place of Birth: MA Data as of 7/1/03 | | | | | | | |
|---|-----------|----------|--------------------------|----------|---------------|----------|--------------|
| | US | | US Dependency | | Non-US | | Total |
| <i>Race/Ethnicity:</i> | N | % | N | % | N | % | N |
| White NH | 6,387 | 96% | 21 | <1% | 278 | 4% | 6,686 |
| Black NH | 2,404 | 64% | 15 | <1% | 1,337 | 36% | 3,756 |
| Hispanic | 1,211 | 35% | 1,740 | 50% | 510 | 15% | 3,461 |
| API | 35 | 22% | 0 | 0% | 123 | 78% | 158 |
| AI/AN | 17 | 94% | 0 | 0% | 1 | 6% | 18 |
| Not Specified | 68 | 84% | 0 | 0% | 13 | 16% | 81 |
| NH= Non-Hispanic, API=Asian/Pacific Islander, AI/AN=American Indian/Alaska Native Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding) | | | | | | | |

Table A.3 Males Living with HIV/AIDS by Race/Ethnicity and Exposure Mode¹: MA*Data as of 7/1/03*

| | White NH | | Black NH | | Hispanic | | API | | AI/AN | |
|--------------|--------------|-------------|--------------|-------------|--------------|-------------|-----------------|-----------------|-----------------|-----------------|
| | N | % | N | % | N | % | N | % | N | % |
| MSM | 3,467 | 65% | 514 | 23% | 505 | 21% | 63 | 51% | 5 | 56% |
| IDU | 986 | 18% | 719 | 32% | 1,250 | 53% | 6 | 5% | -- ² | -- ² |
| MSM/IDU | 282 | 5% | 97 | 4% | 81 | 3% | -- ² | -- ² | -- ² | -- ² |
| HTSX | 135 | 3% | 225 | 10% | 204 | 9% | 7 | 6% | 0 | 0% |
| Other | 76 | 1% | 27 | 1% | 25 | 1% | -- ² | -- ² | 0 | 0% |
| P. HTSX | 226 | 4% | 474 | 21% | 202 | 9% | 32 | 26% | 0 | 0% |
| NIR | 173 | 3% | 180 | 8% | 83 | 4% | 14 | 11% | 0 | 0% |
| Total | 5,345 | 100% | 2,236 | 100% | 2,350 | 100% | 124 | 100% | 9 | 100% |

¹ See the Glossary for an explanation of exposure mode categories² Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex, NIR = No Identified Risk

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding)

Table A.4 Females Living with HIV/AIDS by Race/Ethnicity and Exposure Mode¹: MA*Data as of 7/1/03*

| | White NH | | Black NH | | Hispanic | | API | | AI/AN | |
|--------------|--------------|-------------|--------------|-------------|--------------|-------------|-----------------|-----------------|-----------------|-----------------|
| | N | % | N | % | N | % | N | % | N | % |
| IDU | 709 | 53% | 327 | 22% | 376 | 34% | -- ² | -- ² | 5 | 56% |
| HTSX | 365 | 27% | 462 | 30% | 497 | 45% | 14 | 41% | -- ² | -- ² |
| Other | 30 | 2% | 40 | 3% | 19 | 2% | -- ² | -- ² | 0 | 0% |
| P. HTSX | 181 | 13% | 597 | 39% | 178 | 16% | 10 | 29% | -- ¹ | -- ¹ |
| NIR | 56 | 4% | 94 | 6% | 41 | 4% | 7 | 21% | 0 | 0% |
| Total | 1,341 | 100% | 1,520 | 100% | 1,111 | 100% | 34 | 100% | 9 | 100% |

¹ See the Glossary for an explanation of exposure mode categories² Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex, NIR = No Identified Risk

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding)

Table A.5 People Living with HIV/AIDS by Health Service Region (HSR)¹ and Race/Ethnicity: MA*Data as of 7/1/03*

| HSR | White NH | Black NH | Hispanic | API | AI/AN | Total |
|---------------------|----------|----------|----------|-----|-------|--------------|
| Boston HSR | 43% | 37% | 17% | 1% | <1% | 4,607 |
| Central HSR | 47% | 18% | 35% | 1% | 0% | 1,228 |
| Metrowest HSR | 57% | 31% | 10% | 2% | <1% | 1,712 |
| Northeast HSR | 51% | 17% | 29% | 2% | <1% | 1,977 |
| Southeast HSR | 67% | 18% | 13% | <1% | <1% | 1,978 |
| Western HSR | 30% | 20% | 49% | <1% | <1% | 1,636 |
| Prison ² | 31% | 26% | 43% | <1% | <1% | 1,013 |

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence)² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility

API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, NH= Non-Hispanic; Data Source: MDPH HIV/AIDS Surveillance Program

Table A.6 People Living with HIV/AIDS by Health Service Region¹ and Exposure Mode²: MA*Data as of 7/1/03*

| HSR | MSM | IDU | MSM/ IDU | HTSX | Other | Pres. HTSX | NIR | Total |
|---------------------|-----|-----|-------------|------|-------|---------------|-----|--------------|
| Boston HSR | 45% | 21% | 3% | 11% | 1% | 14% | 5% | 4,607 |
| Central HSR | 19% | 41% | 3% | 19% | 2% | 13% | 3% | 1,228 |
| Metrowest HSR | 38% | 20% | 3% | 11% | 3% | 19% | 6% | 1,712 |
| Northeast HSR | 29% | 28% | 3% | 16% | 2% | 17% | 6% | 1,977 |
| Southeast HSR | 34% | 32% | 3% | 15% | 2% | 10% | 4% | 1,978 |
| Western HSR | 20% | 40% | 3% | 19% | 1% | 12% | 5% | 1,636 |
| Prison ³ | 4% | 76% | 5% | 6% | <1% | 6% | 2% | 1,013 |

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence)² See the Glossary for and explanation of Exposure Mode categories. MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk³ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding)

Chapter 3 – Who is experiencing differential impact from HIV/AIDS?

Table A.7 Crude and Age-Adjusted HIV/AIDS Prevalence Rate per 100,000 Population¹ by Race/Ethnicity and Health Service Region (HSR): MA

Data as of 7/1/03

| | Boston | | Central | | Metro West | | North-east | | South-East | | Western | | State Total | |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| | cru | age | cru | age | cru | age | cru | age | cru | age | cru | age | cru | age |
| White NH | 471 | 498 | 80 | 76 | 75 | 70 | 95 | 89 | 116 | 112 | 72 | 71 | 126 | 120 |
| Black NH | 1,117 | 1,196 | 1,089 | 1,190 | 1,097 | 1,078 | 1,091 | 1,105 | 875 | 930 | 778 | 881 | 1,116 | 1,178 |
| Hispanic | 732 | 876 | 823 | 1,077 | 344 | 412 | 533 | 659 | 767 | 1,005 | 1,021 | 1,360 | 807 | 995 |
| API | 107 | 107 | 53 | 55 | 33 | 31 | 90 | 89 | 44 | 46 | 7 | 9 | 64 | 64 |
| AI/AN | 275 | 282 | 124 | 109 | 0 | 0 | 191 | 175 | 87 | 89 | 73 | 66 | 157 | 147 |
| Total | 617 | 662 | 152 | 147 | 116 | 109 | 157 | 151 | 160 | 156 | 199 | 203 | 223 | 217 |

¹ Population sizes for prevalence calculations are based on 2000 population estimates from the MDPH Bureau of Health Statistics, Research and Evaluation

cru = crude HIV/AIDS prevalence rate, age = age-adjusted HIV/AIDS prevalence rate, NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native

Data Source: MDPH HIV/AIDS Surveillance Program

Table A.8 Crude and Age-Adjusted HIV/AIDS Prevalence per 100,000 Population by Race/Ethnicity and Gender: MA

Data as of July 1, 2003

| | Crude Rate per 100,000 | Age-Adjusted Rate per 100,000 |
|--|---------------------------|----------------------------------|
| Males: | | |
| White (non-Hispanic) Males | 209 | 196 |
| Black (non-Hispanic) Males | 1,379 | 1,514 |
| Hispanic Males | 1,110 | 1,446 |
| Asian/Pacific Islander Males | 103 | 103 |
| American Indian/Alaskan Native Males | 157 | 150 |
| MA Total Prevalence Among Males | 331 | 318 |
| Females: | | |
| White (non-Hispanic) Females | 48 | 47 |
| Black (non-Hispanic) Females | 872 | 882 |
| Hispanic Females | 512 | 592 |
| Asian/Pacific Islander Females | 27 | 26 |
| American Indian/Alaskan Native Females | 156 | 143 |
| MA Total Prevalence Among Females | 123 | 121 |

¹ The denominators for prevalence calculations are based on 2000 population estimates from the MDPH Bureau of Health Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program

Chapter 4 Who is most at risk of HIV infection and how has this changed over time?

Table A.9 People Diagnosed with HIV Infection by Race/Ethnicity and Place of Birth: MA, 2000-2002¹

Data as of 7/1/03

| | US | | US Dependency | | Non-US | | Total |
|-----------------|-------|-----|------------------|-----|--------|-----|-------|
| Race/Ethnicity: | N | % | N | % | N | % | N |
| White NH | 1,079 | 92% | 7 | 1% | 83 | 7% | 1,169 |
| Black NH | 490 | 50% | 5 | 1% | 490 | 50% | 985 |
| Hispanic | 229 | 33% | 288 | 42% | 167 | 24% | 684 |
| API | 11 | 15% | 0 | 0% | 61 | 85% | 72 |
| AI/AN | 4 | 80% | 0 | 0% | 1 | 20% | 5 |
| Not Specified | 17 | 74% | 0 | 0% | 6 | 26% | 23 |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis; NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.10 Males Diagnosed with HIV Infection by Race/Ethnicity and Year of Diagnosis: MA, Before 1999, 1999-2002¹

| | White NH | | Black NH | | Hispanic | | API | | AI/AN | | Total ² |
|-------------------|----------|-----|----------|-----|----------|-----|-----|----|-------|-----|--------------------|
| | N | % | N | % | N | % | N | % | N | % | |
| < 1999 | 9,421 | 61% | 3,124 | 20% | 2,877 | 18% | 82 | 1% | 18 | <1% | 15,555 |
| 1999 | 419 | 47% | 227 | 25% | 226 | 25% | 12 | 1% | 1 | <1% | 894 |
| 2000 | 350 | 45% | 209 | 27% | 187 | 24% | 23 | 3% | 0 | 0% | 774 |
| 2001 | 316 | 48% | 167 | 26% | 146 | 22% | 21 | 3% | 1 | <1% | 653 |
| 2002 ³ | 293 | 47% | 162 | 26% | 140 | 23% | 13 | 2% | 1 | <1% | 620 |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Totals include people with unspecified race/ethnicity

³ 2002 Data are preliminary

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaskan Native

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.11 Females Diagnosed with HIV Infection by Race/Ethnicity and Year of Diagnosis: MA, Before 1999, 1999-2002¹

| | White NH | | Black NH | | Hispanic | | API | | AI/AN | | Total ² |
|-------------------|----------|-----|----------|-----|----------|-----|-----|-----|-------|-----|--------------------|
| | N | % | N | % | N | % | N | % | N | % | |
| < 1999 | 1,745 | 38% | 1566 | 34% | 1209 | 27% | 14 | <1% | 6 | <1% | 4,553 |
| 1999 | 125 | 31% | 157 | 40% | 100 | 25% | 8 | 2% | 2 | 1% | 397 |
| 2000 | 80 | 25% | 164 | 50% | 76 | 23% | 2 | 1% | 2 | 1% | 325 |
| 2001 | 67 | 24% | 139 | 49% | 68 | 24% | 6 | 2% | 1 | <1% | 282 |
| 2002 ³ | 63 | 22% | 144 | 51% | 67 | 24% | 7 | 2% | 0 | 0% | 284 |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis² Totals include people with unspecified race/ethnicity³ 2002 Data are preliminary

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaskan Native

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.12 Males Diagnosed with HIV Infection by Exposure Mode¹ and Year of Diagnosis: MA, Before 1999, 1999-2002²

| | MSM | | IDU | | MSM/ IDU | | HTSX | | Pres. HTSX | | Other | | NIR | | Total |
|-------------------|-------|-----|-------|-----|-------------|----|------|----|---------------|-----|-------|----|-----|-----|---------------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | |
| <1999 | 7,530 | 48% | 4,985 | 32% | 815 | 5% | 570 | 4% | 743 | 5% | 398 | 3% | 514 | 3% | 15,555 |
| 1999 | 361 | 40% | 266 | 30% | 27 | 3% | 62 | 7% | 134 | 15% | 3 | 0% | 41 | 5% | 894 |
| 2000 | 331 | 43% | 165 | 21% | 21 | 3% | 57 | 7% | 133 | 17% | 5 | 1% | 62 | 8% | 774 |
| 2001 | 285 | 44% | 134 | 21% | 18 | 3% | 56 | 9% | 101 | 15% | 2 | 0% | 57 | 9% | 653 |
| 2002 ³ | 285 | 45% | 109 | 18% | 18 | 3% | 52 | 8% | 100 | 16% | 2 | 0% | 62 | 10% | 620 |

¹ See the Glossary for an explanation of Exposure Mode categories. MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis³ 2002 Data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.13 Females Diagnosed with HIV Infection by Exposure Mode¹ and Year of Diagnosis: MA, Before 1999, 1999-2002²

| | IDU | | HTSX | | Other | | Pres. HTSX | | NIR | | Total |
|-------------------|-------|-----|-------|-----|-------|----|------------|-----|-----|-----|--------------|
| | N | % | N | % | N | % | N | % | N | % | N |
| <1999 | 2,110 | 46% | 1,454 | 32% | 224 | 5% | 621 | 14% | 144 | 3% | 4,553 |
| 1999 | 115 | 29% | 129 | 32% | 2 | 1% | 132 | 33% | 19 | 5% | 397 |
| 2000 | 72 | 22% | 117 | 36% | 2 | 1% | 124 | 38% | 10 | 3% | 325 |
| 2001 | 54 | 19% | 82 | 29% | 3 | 1% | 110 | 39% | 33 | 12% | 282 |
| 2002 ³ | 43 | 15% | 82 | 29% | 0 | 0% | 115 | 40% | 44 | 15% | 284 |

¹ See the Glossary for an explanation of Exposure Mode categories. IDU = injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ 2002 Data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.14 Males Diagnosed with HIV Infection by Age at Diagnosis: MA, 1999-2002¹

| | <1999 | | 1999 | | 2000 | | 2001 | | 2002 ² | |
|-----------------------|---------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------------------|-------------|
| | N | % | N | % | N | % | N | % | N | % |
| Age in years | | | | | | | | | | |
| Under 13 ³ | 127 | 1% | 2 | 0% | 0 | 0% | 1 | 0% | 1 | 0% |
| 13 to 19 | 152 | 1% | 6 | 1% | 12 | 2% | 9 | 1% | 9 | 1% |
| 20 to 24 | 843 | 5% | 34 | 4% | 30 | 4% | 19 | 3% | 37 | 6% |
| 25 to 29 | 2,621 | 17% | 75 | 8% | 82 | 11% | 66 | 10% | 65 | 10% |
| 30 to 34 | 3,868 | 25% | 206 | 23% | 140 | 18% | 124 | 19% | 104 | 17% |
| 35 to 39 | 3,521 | 23% | 220 | 25% | 191 | 25% | 168 | 26% | 128 | 21% |
| 40 to 44 | 2,315 | 15% | 171 | 19% | 135 | 17% | 112 | 17% | 121 | 20% |
| 45 to 49 | 1,130 | 7% | 97 | 11% | 84 | 11% | 87 | 13% | 70 | 11% |
| 50+ | 978 | 6% | 83 | 9% | 100 | 13% | 67 | 10% | 85 | 14% |
| Total | 15,555 | 100% | 894 | 100% | 774 | 100% | 653 | 100% | 620 | 100% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2002 Data are preliminary

³ Includes AIDS cases diagnosed under age 13 years only, data on cases of HIV (non-AIDS) diagnosed under age 13 years are not included here. For more information contact the Pediatric Spectrum of Disease Project, MDPH Bureau of Communicable Disease Control.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.15 Females Diagnosed with HIV Infection by Age at Diagnosis: MA, 1999-2002¹

| | <1999 | | 1999 | | 2000 | | 2001 | | 2002² | |
|-----------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------|-------------|
| Age in years | N | % | N | % | N | % | N | % | N | % |
| Under 13 ³ | 102 | 2% | 1 | <1% | 0 | 0% | 1 | <1% | 0 | 0% |
| 13 to 19 | 97 | 2% | 13 | 3% | 13 | 4% | 5 | 2% | 7 | 2% |
| 20 to 24 | 488 | 11% | 26 | 7% | 30 | 9% | 26 | 9% | 26 | 9% |
| 25 to 29 | 932 | 20% | 64 | 16% | 54 | 17% | 32 | 11% | 46 | 16% |
| 30 to 34 | 1,181 | 26% | 75 | 19% | 56 | 17% | 61 | 22% | 51 | 18% |
| 35 to 39 | 834 | 18% | 85 | 21% | 80 | 25% | 50 | 18% | 64 | 23% |
| 40 to 44 | 460 | 10% | 59 | 15% | 48 | 15% | 51 | 18% | 42 | 15% |
| 45 to 49 | 230 | 5% | 38 | 10% | 21 | 6% | 34 | 12% | 26 | 9% |
| 50+ | 229 | 5% | 36 | 9% | 23 | 7% | 22 | 8% | 22 | 8% |
| Total | 4,553 | 100% | 397 | 100% | 325 | 100% | 282 | 100% | 284 | 100% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2002 Data are preliminary

³ Includes AIDS cases diagnosed under age 13 years only, data on cases of HIV (non-AIDS) diagnosed under age 13 years are not included here. For more information contact the Pediatric Spectrum of Disease Project, MDPH Bureau of Communicable Disease Control.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.16 People Diagnosed with HIV Infection by Gender and Race/Ethnicity: MA, 2000-2002¹

| | Male | | Female | |
|-----------------|--------------|-------------|---------------|-------------|
| Race/Ethnicity: | N | % | N | % |
| White NH | 959 | 47% | 210 | 24% |
| Black NH | 538 | 26% | 447 | 50% |
| Hispanic | 473 | 23% | 211 | 24% |
| API | 57 | 3% | 15 | 2% |
| AI/AN | 2 | <1% | 3 | <1% |
| Unknown | 18 | 1% | 5 | 1% |
| Total | 2,047 | 100% | 891 | 100% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis; NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); Data as of 7/1/03

Table A.17 People Diagnosed with HIV Infection by Gender and Exposure Mode: MA, 2000-2002¹

| Exposure Mode ² : | Male | | Female | |
|------------------------------|--------------|-------------|------------|-------------|
| | N | % | N | % |
| MSM | 893 | 44% | N/A | N/A |
| IDU | 408 | 20% | 169 | 19% |
| MSM/IDU | 57 | 3% | N/A | N/A |
| HTSX | 165 | 8% | 281 | 32% |
| Other | 9 | <1% | 5 | 1% |
| Pres. HTSX | 334 | 16% | 349 | 39% |
| NIR | 181 | 9% | 87 | 10% |
| Total | 2,047 | 100% | 891 | 100% |

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² See the Glossary for an explanation of exposure mode categories; MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, Pres. HTSX = Presumed Heterosexual Sex, NIR = No Identified Risk, N/A = Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.18 Males Diagnosed with HIV Infection by Race/Ethnicity¹ and Exposure Mode²: MA, 2000-2002³

| Exposure Mode: | White NH | | Black NH | | Hispanic | | API | |
|----------------|------------|-------------|------------|-------------|------------|-------------|-----------------|-----------------|
| | N | % | N | % | N | % | N | % |
| MSM | 638 | 67% | 103 | 19% | 124 | 26% | 20 | 35% |
| IDU | 122 | 13% | 103 | 19% | 176 | 37% | -- ⁴ | -- ⁴ |
| MSM/IDU | 34 | 4% | 15 | 3% | 7 | 1% | 0 | 0% |
| HTSX | 34 | 4% | 67 | 12% | 57 | 12% | 6 | 11% |
| Other | 4 | <1% | 3 | 1% | 2 | <1% | -- ⁴ | -- ⁴ |
| Pres. HTSX | 63 | 7% | 174 | 32% | 77 | 16% | 19 | 33% |
| NIR | 64 | 7% | 73 | 14% | 30 | 6% | 10 | 18% |
| Total | 959 | 100% | 538 | 100% | 473 | 100% | 57 | 100% |

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

² See Glossary for an explanation of exposure mode categories

³ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis;

⁴ Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

NH = Non-Hispanic, API = Asian/Pacific Islander, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex, NIR = No Identified Risk;

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.19 Females Diagnosed with HIV Infection by Race/Ethnicity¹ and Exposure Mode: MA, 2000-2002²

| | White NH | | Black NH | | Hispanic | | API | |
|------------------------------|------------|-------------|------------|-------------|------------|-------------|-----------------|-----------------|
| Exposure Mode ³ : | N | % | N | % | N | % | N | % |
| IDU | 79 | 38% | 42 | 9% | 46 | 22% | -- ⁴ | -- ⁴ |
| HTSX | 58 | 28% | 125 | 28% | 86 | 41% | 7 | 47% |
| Other | 2 | 1% | 3 | 1% | 0 | 0% | 0 | 0% |
| Pres. HTSX | 49 | 23% | 234 | 52% | 62 | 29% | -- ⁴ | -- ⁴ |
| NIR | 22 | 10% | 43 | 10% | 17 | 8% | 5 | 33% |
| Total | 210 | 100% | 447 | 100% | 211 | 100% | 15 | 100% |

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers² See Glossary for an explanation of exposure mode categories³ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis;⁴ Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

NH = Non-Hispanic, API = Asian/Pacific Islander, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex, NIR = No Identified Risk;

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.20 Percentage Distribution of People Diagnosed with HIV Infection by Health Service Region¹ and Race/Ethnicity: MA, 2000-2002²

| | White NH | Black NH | Hispanic | API | AI/AN | Total |
|----------------------|------------|------------|------------|-----------|---------------|--------------|
| Boston HSR | 36% | 43% | 18% | 2% | <1% | 965 |
| Central HSR | 38% | 31% | 28% | 2% | 0% | 218 |
| Metro West HSR | 45% | 40% | 12% | 3% | 0% | 368 |
| Northeast HSR | 40% | 29% | 23% | 7% | 0% | 428 |
| Southeast HSR | 59% | 25% | 14% | 1% | 0% | 442 |
| Western HSR | 28% | 22% | 49% | <1% | <1% | 358 |
| Prisons ³ | 26% | 26% | 47% | 0% | 1% | 159 |
| MA Total | 40% | 34% | 23% | 2% | <1% | 2,938 |

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence)² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis³ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.21 Percent of People Diagnosed with HIV Infection by Health Service Region¹ and Exposure Mode²: MA 2000-2002³

| Health Service Region: | MSM | IDU | MSM/ IDU | HTSX | Other | Pres. HTSX | NIR | Total |
|------------------------|------------|------------|-------------|------------|---------------|---------------|-----------|--------------|
| Boston HSR | 42% | 12% | 1% | 12% | <1% | 23% | 9% | 965 |
| Central HSR | 21% | 22% | 1% | 20% | 1% | 28% | 8% | 218 |
| Metro West HSR | 29% | 13% | 2% | 15% | <1% | 28% | 13% | 368 |
| Northeast HSR | 27% | 13% | 1% | 16% | <1% | 30% | 13% | 428 |
| Southeast HSR | 31% | 22% | 3% | 18% | 1% | 18% | 8% | 442 |
| Western HSR | 22% | 33% | 2% | 18% | 1% | 18% | 6% | 358 |
| Prison ⁴ | 6% | 62% | 5% | 9% | 0% | 14% | 4% | 159 |
| MA Total | 30% | 20% | 2% | 15% | <1% | 23% | 9% | 2,938 |

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence)

² See the Glossary for an explanation of Exposure Mode categories. MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk

³ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

⁴ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/02

Table A.22 Infection Status of Children Born In MA Exposed to HIV Perinatally and Enrolled in PSD by Year of Birth: MA, 1989-2001

| Year: | Infected | | Uninfected | | Indeterminate | | Total Exposures |
|-------|----------|-----|------------|-----|---------------|-----|-----------------|
| | N | % | N | % | N | % | N |
| 1989 | 41 | 46% | 45 | 51% | 3 | 3% | 89 |
| 1990 | 31 | 33% | 62 | 66% | 1 | 1% | 94 |
| 1991 | 32 | 28% | 78 | 68% | 5 | 4% | 115 |
| 1992 | 32 | 26% | 86 | 69% | 7 | 6% | 125 |
| 1993 | 21 | 23% | 68 | 73% | 4 | 4% | 93 |
| 1994 | 15 | 17% | 72 | 82% | 1 | 1% | 88 |
| 1995 | 19 | 19% | 78 | 78% | 3 | 3% | 100 |
| 1996 | 8 | 12% | 55 | 82% | 4 | 6% | 67 |
| 1997 | 7 | 9% | 66 | 84% | 6 | 8% | 79 |
| 1998 | 7 | 8% | 77 | 90% | 2 | 2% | 86 |
| 1999 | 6 | 8% | 70 | 90% | 2 | 3% | 78 |
| 2000 | 6 | 7% | 73 | 81% | 11 | 12% | 90 |
| 2001 | 0 | 0% | 57 | 86% | 9 | 14% | 66 |

Data Source: Pediatric Spectrum of Disease Project (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Chapter 6: How have patterns of AIDS Diagnoses Changed Over Time?

Table A.23 People Living with AIDS¹ (Prevalence), Deaths among People Reported with AIDS (Deaths), and Newly Diagnosed AIDS Cases (Incidence) by Year: 1985-2002, MA

| Year | Prevalence | Deaths | Incidence |
|------|------------|--------|-----------|
| 1985 | 209 | 119 | 227 |
| 1990 | 2,037 | 631 | 1,081 |
| 1993 | 4,109 | 1,040 | 1,758 |
| 1994 | 4,379 | 1,206 | 1,476 |
| 1995 | 4,622 | 1,152 | 1,395 |
| 1996 | 5,008 | 767 | 1,153 |
| 1997 | 5,535 | 377 | 904 |
| 1998 | 6,164 | 316 | 945 |
| 1999 | 6,748 | 317 | 901 |
| 2000 | 7,180 | 301 | 733 |
| 2001 | 7,486 | 339 | 645 |
| 2002 | 7,762 | 260 | 536 |

¹ Number of People living with AIDS on 12/31 of each year

Data source: MDPH HIV/AIDS Surveillance Program, Data as of 7/1/03

Table A.24 Total Number of Reported AIDS cases, by Race/Ethnicity and Year of Diagnosis: MA, 1985 - 2002

| | White NH | | Black NH | | Hispanic | | API | | AI/AN | | Total ¹ |
|------|----------|-----|----------|-----|----------|-----|-----|-----|-------|-----|--------------------|
| | N | % | N | % | N | % | N | % | N | % | N |
| 1985 | 155 | 68% | 50 | 22% | 21 | 9% | 1 | <1% | 0 | 0% | 227 |
| 1990 | 665 | 62% | 235 | 22% | 173 | 16% | 4 | <1% | 2 | <1% | 665 |
| 1993 | 977 | 56% | 436 | 25% | 336 | 19% | 6 | <1% | 2 | <1% | 1,758 |
| 1994 | 777 | 53% | 363 | 25% | 328 | 22% | 5 | <1% | 0 | 0% | 1,476 |
| 1995 | 746 | 53% | 310 | 22% | 326 | 23% | 5 | <1% | 5 | <1% | 1,395 |
| 1996 | 569 | 49% | 295 | 26% | 277 | 24% | 7 | 1% | 4 | <1% | 1,153 |
| 1997 | 401 | 44% | 276 | 31% | 214 | 24% | 12 | 1% | 0 | 0% | 904 |
| 1998 | 408 | 43% | 300 | 32% | 224 | 24% | 12 | 1% | 0 | 0% | 945 |
| 1999 | 398 | 44% | 236 | 26% | 252 | 28% | 12 | 1% | 2 | <1% | 901 |
| 2000 | 275 | 38% | 232 | 32% | 207 | 28% | 18 | 2% | 1 | <1% | 733 |
| 2001 | 279 | 43% | 204 | 32% | 152 | 24% | 9 | 1% | 1 | <1% | 645 |
| 2002 | 202 | 38% | 187 | 35% | 135 | 25% | 11 | 2% | 1 | <1% | 536 |

¹ Total includes people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.25 Number and Percentage Distribution of Reported AIDS Cases by Exposure Mode¹ and Year of Diagnosis *Among Males: MA, 1985-2002*

| | MSM | | IDU | | MSM/ IDU | | HTSX | | Other | | Pres. HTSX | | NIR | | Total |
|------|-----|-----|-----|-----|-------------|----|------|-----|-------|-----|---------------|-----|-----|----|-------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| 1985 | 142 | 70% | 29 | 14% | 12 | 6% | 1 | <1% | 6 | 3% | 11 | 5% | 3 | 1% | 5204 |
| 1990 | 479 | 54% | 253 | 29% | 45 | 5% | 20 | 2% | 32 | 4% | 35 | 4% | 22 | 2% | 886 |
| 1993 | 623 | 45% | 494 | 36% | 80 | 6% | 46 | 3% | 36 | 3% | 46 | 3% | 51 | 4% | 1,376 |
| 1994 | 474 | 41% | 431 | 38% | 65 | 6% | 56 | 5% | 20 | 2% | 42 | 4% | 55 | 5% | 1,143 |
| 1995 | 431 | 41% | 410 | 39% | 60 | 6% | 55 | 5% | 20 | 2% | 37 | 4% | 44 | 4% | 1,057 |
| 1996 | 348 | 41% | 299 | 35% | 33 | 4% | 58 | 7% | 19 | 2% | 47 | 6% | 40 | 5% | 844 |
| 1997 | 242 | 36% | 264 | 39% | 32 | 5% | 39 | 6% | 11 | 2% | 44 | 7% | 42 | 6% | 674 |
| 1998 | 251 | 37% | 242 | 35% | 26 | 4% | 37 | 5% | 7 | 1% | 73 | 11% | 48 | 7% | 684 |
| 1999 | 217 | 33% | 267 | 41% | 23 | 4% | 35 | 5% | 1 | <1% | 95 | 14% | 19 | 3% | 657 |
| 2000 | 157 | 30% | 179 | 35% | 13 | 3% | 44 | 9% | 4 | 1% | 92 | 18% | 28 | 5% | 517 |
| 2001 | 155 | 35% | 124 | 28% | 23 | 5% | 41 | 9% | 5 | 1% | 61 | 14% | 33 | 7% | 442 |
| 2002 | 125 | 33% | 98 | 26% | 17 | 4% | 41 | 11% | 2 | 1% | 63 | 17% | 35 | 9% | 381 |

¹ See the Glossary for an explanation of Exposure Mode categories. MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.26 Number and Percent of Reported AIDS Cases by Exposure Mode¹ and Year of Diagnosis *Among Females: MA, 1985-2002*

| | IDU | | HTSX | | Other | | Pres. HTSX | | NIR | | Total |
|------|-----|-----|------|-----|-------|-----|------------|-----|-----|----|-------|
| | N | % | N | % | N | % | N | % | N | % | N |
| 1985 | 3 | 13% | 6 | 26% | 7 | 30% | 6 | 26% | 1 | 4% | 23 |
| 1990 | 90 | 46% | 56 | 29% | 26 | 13% | 18 | 9% | 5 | 3% | 195 |
| 1993 | 212 | 55% | 124 | 32% | 19 | 5% | 17 | 4% | 10 | 3% | 382 |
| 1994 | 145 | 44% | 142 | 43% | 9 | 3% | 23 | 7% | 14 | 4% | 333 |
| 1995 | 169 | 50% | 112 | 33% | 16 | 5% | 33 | 10% | 8 | 2% | 338 |
| 1996 | 140 | 45% | 115 | 37% | 16 | 5% | 28 | 9% | 10 | 3% | 309 |
| 1997 | 94 | 41% | 82 | 36% | 9 | 4% | 37 | 16% | 8 | 3% | 230 |
| 1998 | 93 | 36% | 83 | 32% | 12 | 5% | 67 | 26% | 6 | 2% | 261 |
| 1999 | 95 | 39% | 75 | 31% | 3 | 1% | 67 | 27% | 4 | 2% | 244 |
| 2000 | 75 | 35% | 76 | 35% | 5 | 2% | 58 | 27% | 2 | 1% | 216 |
| 2001 | 69 | 34% | 53 | 26% | 5 | 2% | 61 | 30% | 15 | 7% | 203 |
| 2002 | 51 | 33% | 41 | 26% | 2 | 1% | 47 | 30% | 14 | 9% | 155 |

¹ See the Glossary for and explanation of Exposure Mode categories. IDU = injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Chapter 7 Who is dying with HIV/AIDS and how has this changed over time?

| A.27 Deaths among Persons Reported with HIV and AIDS by Gender, Race/Ethnicity and Exposure Mode: MA, 1999-2002 | | | | | |
|--|------------|----------|-------------|----------|--------------|
| | HIV | | AIDS | | Total |
| Gender: | N | % | N | % | N |
| Male | 135 | 69% | 897 | 74% | 1,032 |
| Female | 61 | 31% | 320 | 26% | 381 |
| Race/Ethnicity: | N | % | N | % | N |
| White NH | 98 | 50% | 612 | 50% | 710 |
| Black NH | 56 | 29% | 322 | 26% | 378 |
| Hispanic | 40 | 20% | 274 | 23% | 314 |
| API | 1 | 1% | 5 | <1% | 6 |
| AI/AN | 0 | 0% | 4 | <1% | 4 |
| Unknown | 1 | 1% | 0 | 0% | 1 |
| Exposure Mode¹: | N | % | N | % | N |
| MSM | 29 | 15% | 241 | 20% | 270 |
| IDU | 122 | 62% | 642 | 53% | 764 |
| MSM/IDU | 4 | 2% | 57 | 5% | 61 |
| Heterosexual Sex | 14 | 7% | 95 | 8% | 109 |
| Other | 1 | 1% | 39 | 3% | 40 |
| Pres. HTSX | 16 | 8% | 88 | 7% | 104 |
| No Identified Risk | 10 | 5% | 55 | 5% | 65 |
| ¹ See the Glossary for an explanation of exposure mode categories Data Source MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03 | | | | | |

Table A.28 Percent of Deaths among Persons Reported with AIDS by Place of Birth and Year of Death: MA, 1985 - 2002

| Year | US | | US Dependency | | Non-US | | Total |
|-------------|-----------|----------|----------------------|----------|---------------|----------|--------------|
| | N | % | N | % | N | % | N |
| 1985 | 97 | 82% | 4 | 3% | 18 | 15% | 119 |
| 1990 | 525 | 83% | 43 | 7% | 63 | 10% | 631 |
| 1993 | 853 | 82% | 101 | 10% | 86 | 8% | 1,040 |
| 1994 | 947 | 79% | 152 | 13% | 107 | 9% | 1,206 |
| 1995 | 931 | 81% | 127 | 11% | 94 | 8% | 1,152 |
| 1996 | 618 | 81% | 90 | 12% | 59 | 8% | 767 |
| 1997 | 297 | 79% | 49 | 13% | 31 | 8% | 377 |
| 1998 | 234 | 74% | 57 | 18% | 25 | 8% | 316 |
| 1999 | 238 | 75% | 59 | 19% | 20 | 6% | 317 |
| 2000 | 229 | 76% | 56 | 19% | 16 | 5% | 301 |
| 2001 | 264 | 78% | 44 | 13% | 31 | 9% | 339 |
| 2002 | 199 | 77% | 39 | 15% | 22 | 8% | 260 |

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.29 Deaths among Persons Reported with AIDS by Gender and Year of Death: MA, 1985 - 2002

| Year | Male | | Female | | Total |
|-------------|-------------|----------|---------------|----------|--------------|
| | N | % | N | % | N |
| 1985 | 107 | 90% | 12 | 10% | 119 |
| 1990 | 555 | 88% | 76 | 12% | 631 |
| 1993 | 875 | 84% | 165 | 16% | 1,040 |
| 1994 | 975 | 81% | 231 | 19% | 1,206 |
| 1995 | 920 | 80% | 232 | 20% | 1,152 |
| 1996 | 609 | 79% | 158 | 21% | 767 |
| 1997 | 280 | 74% | 97 | 26% | 377 |
| 1998 | 247 | 78% | 69 | 22% | 316 |
| 1999 | 240 | 76% | 77 | 24% | 317 |
| 2000 | 223 | 74% | 78 | 26% | 301 |
| 2001 | 243 | 72% | 96 | 28% | 339 |
| 2002 | 191 | 73% | 69 | 27% | 260 |

Data Source MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.30 Deaths among Persons Reported with AIDS by Race/Ethnicity and Year of Death: MA, 1985 - 2002

| Year | White NH | | Black NH | | Hispanic | | API | | AI/AN | | Total ¹ |
|------|----------|-----|----------|-----|----------|-----|-----|-----|-------|-----|--------------------|
| | N | % | N | % | N | % | N | % | N | % | N |
| 1985 | 81 | 68% | 21 | 18% | 9 | 8% | 0 | 0% | 0 | 0% | 119 |
| 1990 | 420 | 67% | 135 | 21% | 76 | 12% | 0 | 0% | 0 | 0% | 631 |
| 1993 | 664 | 64% | 218 | 21% | 151 | 15% | 5 | <1% | 1 | <1% | 1,040 |
| 1994 | 719 | 60% | 256 | 21% | 225 | 19% | 4 | <1% | 1 | <1% | 1,206 |
| 1995 | 672 | 58% | 262 | 23% | 210 | 18% | 6 | 1% | 2 | <1% | 1,152 |
| 1996 | 418 | 54% | 209 | 27% | 135 | 18% | 4 | 1% | 1 | <1% | 767 |
| 1997 | 196 | 52% | 104 | 28% | 74 | 20% | 2 | 1% | 1 | <1% | 377 |
| 1998 | 158 | 50% | 80 | 25% | 78 | 25% | 0 | 0% | 0 | 0% | 316 |
| 1999 | 156 | 49% | 77 | 24% | 79 | 25% | 2 | 1% | 3 | 1% | 317 |
| 2000 | 153 | 51% | 71 | 24% | 74 | 25% | 2 | 1% | 1 | <1% | 301 |
| 2001 | 182 | 54% | 96 | 28% | 61 | 18% | 0 | 0% | 0 | 0% | 339 |
| 2002 | 121 | 47% | 78 | 30% | 60 | 23% | 1 | <1% | 0 | 0% | 260 |

¹ Total includes people of unknown race/ethnicity.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/03

Table A.31 Number and Percent of Deaths Among Persons Reported with AIDS, by Mode of Exposure¹ and Year of Death: MA, 1985-2002

| | MSM | | IDU | | MSM/ IDU | | HTSX | | Other | | Pres. HTSX | | NIR | | Total |
|------|-----|-----|-----|-----|-------------|----|------|-----|-------|----|---------------|----|-----|----|-------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| 1985 | 72 | 61% | 16 | 13% | 8 | 7% | 0 | 0% | 10 | 8% | 11 | 9% | 2 | 2% | 119 |
| 1990 | 352 | 56% | 155 | 25% | 27 | 4% | 26 | 4% | 27 | 4% | 28 | 4% | 16 | 3% | 631 |
| 1993 | 458 | 44% | 337 | 32% | 56 | 5% | 76 | 7% | 36 | 3% | 40 | 4% | 37 | 4% | 1,040 |
| 1994 | 455 | 38% | 466 | 39% | 48 | 4% | 105 | 9% | 40 | 3% | 50 | 4% | 42 | 3% | 1,206 |
| 1995 | 434 | 38% | 439 | 38% | 36 | 3% | 130 | 11% | 41 | 4% | 26 | 2% | 46 | 4% | 1,152 |
| 1996 | 254 | 33% | 321 | 42% | 30 | 4% | 83 | 11% | 20 | 3% | 33 | 4% | 26 | 3% | 767 |
| 1997 | 94 | 25% | 176 | 47% | 20 | 5% | 47 | 12% | 14 | 4% | 6 | 2% | 20 | 5% | 377 |
| 1998 | 80 | 25% | 172 | 54% | 8 | 3% | 25 | 8% | 3 | 1% | 12 | 4% | 16 | 5% | 316 |
| 1999 | 57 | 18% | 167 | 53% | 15 | 5% | 28 | 9% | 13 | 4% | 25 | 8% | 12 | 4% | 317 |
| 2000 | 57 | 19% | 164 | 54% | 13 | 4% | 21 | 7% | 13 | 4% | 23 | 8% | 10 | 3% | 301 |
| 2001 | 73 | 22% | 166 | 49% | 18 | 5% | 25 | 7% | 6 | 2% | 27 | 8% | 24 | 7% | 339 |
| 2002 | 54 | 21% | 145 | 56% | 11 | 4% | 21 | 8% | 7 | 3% | 13 | 5% | 9 | 3% | 260 |

¹ See the Glossary for an explanation of Exposure Mode categories. MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/02

| Table A.32 Time from AIDS Diagnosis to Death by Year of AIDS Diagnosis: MA, 1987-1991 | | | | | | | | | | |
|--|-------------|----------|-------------|----------|-------------|----------|--------------|----------|--------------|----------|
| | 1987 | | 1988 | | 1989 | | 1990 | | 1991 | |
| Years between AIDS Diagnosis and Death | N | % | N | % | N | % | N | % | N | % |
| <1 yr. | 265 | 41% | 277 | 32% | 285 | 29% | 290 | 27% | 360 | 27% |
| 1 - <2 yr. | 159 | 24% | 207 | 24% | 230 | 23% | 214 | 20% | 305 | 23% |
| 2 - <3 yr. | 122 | 19% | 137 | 16% | 163 | 16% | 193 | 18% | 200 | 15% |
| 3 - <4 yr. | 70 | 11% | 70 | 8% | 89 | 9% | 116 | 11% | 118 | 9% |
| 4 - <5 yr. | 31 | 5% | 33 | 4% | 63 | 6% | 59 | 5% | 65 | 5% |
| 5 - <6 yr. | 17 | 3% | 24 | 3% | 46 | 5% | 38 | 4% | 31 | 2% |
| 6 - <7 yr. | 5 | 1% | 12 | 1% | 14 | 1% | 14 | 1% | 13 | 1% |
| 7 - <8 yr. | 5 | 1% | 10 | 1% | 6 | 1% | 10 | 1% | 13 | 1% |
| 8 - <9 yr. | 10 | 2% | 3 | 0% | 5 | 1% | 10 | 1% | 9 | 1% |
| 9 - <10 yr. | 3 | 0% | 2 | 0% | 4 | 0% | 5 | 0% | 7 | 1% |
| 10+ yr. | 5 | 1% | 12 | 1% | 12 | 1% | 11 | 1% | 10 | 1% |
| Still Alive | 35 | 5% | 73 | 8% | 82 | 8% | 121 | 11% | 199 | 15% |
| Total¹ | 651 | | 861 | | 999 | | 1,081 | | 1,332 | |

¹ Totals include 10 individuals diagnosed with AIDS between 1987 and 2000 where the years between AIDS diagnosis and death is unknown; Data Source: MDPH Surveillance Program; Data as of 7/1/03

| Table A.33 Time from AIDS Diagnosis to Death by Year of AIDS Diagnosis: MA, 1992-1996 | | | | | | | | | | |
|--|--------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 1992 | | 1993 | | 1994 | | 1995 | | 1996 | |
| Years between AIDS Diagnosis and Death | N | % | N | % | N | % | N | % | N | % |
| <1 yr. | 371 | 21% | 348 | 20% | 295 | 20% | 211 | 15% | 108 | 9% |
| 1 - <2 yr. | 375 | 21% | 352 | 20% | 247 | 17% | 105 | 8% | 43 | 4% |
| 2 - <3 yr. | 297 | 17% | 250 | 14% | 112 | 8% | 55 | 4% | 49 | 4% |
| 3 - <4 yr. | 164 | 9% | 107 | 6% | 52 | 4% | 47 | 3% | 40 | 3% |
| 4 - <5 yr. | 52 | 3% | 48 | 3% | 34 | 2% | 34 | 2% | 35 | 3% |
| 5 - <6 yr. | 31 | 2% | 32 | 2% | 39 | 3% | 30 | 2% | 33 | 3% |
| 6 - <7 yr. | 36 | 2% | 30 | 2% | 24 | 2% | 32 | 2% | 15 | 1% |
| 7 - <8 yr. | 14 | 1% | 31 | 2% | 37 | 3% | 20 | 1% | 1 | <1% |
| 8 - <9 yr. | 31 | 2% | 16 | 1% | 9 | 1% | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 9 - <10 yr. | 17 | 1% | 9 | 1% | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 10+ yr. | 11 | 1% | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| Still Alive | 349 | 20% | 534 | 30% | 626 | 42% | 861 | 62% | 828 | 72% |
| Total² | 1,750 | | 1,758 | | 1,476 | | 1,395 | | 1,153 | |

¹ Not applicable because individuals diagnosed in this year have not yet had the opportunity to survive this many years before death
² Totals include 10 individuals diagnosed with AIDS between 1987 and 2000 where the years between AIDS diagnosis and death is unknown; Data Source: MDPH Surveillance Program; Data as of 7/1/03

| Table A.34 Time from AIDS Diagnosis to Death by Year of AIDS Diagnosis: MA, 1997-2000 | | | | | | | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 1997 | | 1998 | | 1999 | | 2000 | |
| Years between AIDS Diagnosis and Death | N | % | N | % | N | % | N | % |
| <1 yr. | 70 | 8% | 56 | 6% | 65 | 7% | 57 | 8% |
| 1 - <2 yr. | 36 | 4% | 33 | 3% | 26 | 3% | 16 | 2% |
| 2 - <3 yr. | 31 | 3% | 18 | 2% | 31 | 3% | 11 | 2% |
| 3 - <4 yr. | 33 | 4% | 22 | 2% | 10 | 1% | N/A ¹ | N/A ¹ |
| 4 - <5 yr. | 35 | 4% | 8 | 1% | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 5 - <6 yr. | 11 | 1% | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 6 - <7 yr. | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 7 - <8 yr. | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 8 - <9 yr. | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 9 - <10 yr. | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| 10+ yr. | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ | N/A ¹ |
| Still Alive | 688 | 76% | 808 | 86% | 769 | 85% | 649 | 89% |
| Total² | 904 | | 945 | | 901 | | 733 | |

¹ Not applicable because individuals diagnosed in this year have not yet had the opportunity to survive this many years before death

² Totals include 10 individuals diagnosed with AIDS between 1987 and 2000 where the years between AIDS diagnosis and death is unknown; Data Source: MDPH Surveillance Program; Data as of 7/1/03

Section 2. Explanation of Age Adjusted Rates

A “rate” of a disease per 100,000 population is a more precise way to compare groups that have substantially different population sizes rather than relying on the raw number of cases. For example, the number of HIV/AIDS cases among Hispanics as of July 1, 2003, is 3,461, whereas the number of HIV/AIDS cases among Whites is 6,686. Although the *number* of HIV/AIDS cases among Hispanics in Massachusetts is smaller than the number of cases among Whites, we also need to consider that there are far fewer Hispanics living in Massachusetts than Whites. Hispanics represent 7% of Massachusetts population compared to Whites who represent 82% of the population. So, if HIV/AIDS had the same impact on the Hispanic population of the state as on the White, then there should be almost 12 times as many cases in Whites, but there are only about twice as many. By calculating a rate which takes into consideration the differences in the population size, it is evident that the number of people living with HIV/AIDS for every 100,000 Hispanics in Massachusetts is much higher than the rate for every 100,000 Whites. This rate is called a “crude rate” and is calculated by dividing the number of people living with HIV/AIDS by the entire population (everyone or the sub-population involved) and multiplying by 100,000. (See example 1 below).

Example 1: Calculation of Crude HIV/AIDS Prevalence Rate for Whites, Massachusetts (126 per 100,000)

| | |
|--|--|
| Crude HIV/AIDS prevalence rate for Whites | = (number of Whites living with HIV/AIDS/population size of Whites)*100,000 |
| | = (6,686/5,326,585)*100,000 |
| | = (0.0012552)*100,000 |
| | = 125.5 |

However, sometimes, in addition to the population size being different, the age composition of the populations is different. In Massachusetts, Blacks and Hispanics have a younger age composition than Whites. That is to say, there are greater proportions of Blacks and Hispanics in younger age groups compared to Whites. Likewise, the median age of Blacks (29.7 years) and Hispanics (24.5 years) is younger than that of Whites (38.8 years). Therefore, it is necessary to “age-adjust” the HIV/AIDS prevalence rate to get a true comparison of the impact of the disease across racial/ethnic groups without an effect from the differences in age composition. Age-adjustment of rates minimizes the distortion created by differences in age composition.

Age-adjusted rates are calculated by weighting the age-specific rates for a given population by the age distribution of a standard population. The weighted age-specific rates are then added to produce the adjusted rate for all ages combined. (See example 2 below).

Example 2: Calculation of Age-adjusted HIV/AIDS Prevalence Rate for Whites, Massachusetts (120 per 100,000)

| <i>A</i> | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> |
|-----------------------------|--------------------------------------|--------------------------|---|---|
| <i>Age group (in years)</i> | <i># of prevalent HIV/AIDS cases</i> | <i>Population (2000)</i> | <i>2000 US standard population weight</i> | <i>Age-adjusted rate ((B/C*D)*100,000))</i> |
| <1 | 0 | 61,381 | 0.013818 | 0.0 |
| 1-4 | 0 | 245,562 | 0.055317 | 0.0 |
| 5-14 | 14 | 675,388 | 0.145565 | 0.3 |
| 15-24 | 80 | 634,387 | 0.138646 | 1.7 |
| 25-34 | 777 | 734,417 | 0.135573 | 14.3 |
| 35-44 | 3069 | 902,498 | 0.162613 | 55.3 |
| 45-54 | 2146 | 771,970 | 0.134834 | 37.5 |
| 55-64 | 517 | 491,985 | 0.087247 | 9.2 |
| 65-74 | 77 | 396,458 | 0.066037 | 1.3 |
| 75-84 | 5 | 300,442 | 0.044842 | 0.1 |
| 85+ years | 1 | 112,097 | 0.015508 | 0.0 |
| Total | | | | 119.7 |

To see the effect of age-distribution on prevalence rates see Tables A.6-A.7 in this appendix for a comparison of crude and age-adjusted rates by race/ethnicity.